

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Richard M. Weinshilboum et al. Art Unit : Unknown
Serial No. : Examiner : Unknown
Filed :
Title : SULFOTRANSFERASE SEQUENCE VARIANTS

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Please add the following paragraph at page 1, line 3:

--Cross-Reference to Related Applications

This application is a divisional of U.S. Serial No. 09/167,681, filed October 7, 1998. --

In the claims:

Please cancel claims 1-13 and 18-31.

Please add new claims 32-36.

-- 32. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant comprises an adenine at nucleotide 638 of a SULT1A1 nucleic acid sequence.

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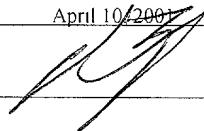
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Applicant : Richard M. Weinshilboum et al.
Serial No. :
Filed :
Page : 2

Attorney's Docket No.: 07039-118002

33. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant encodes a sulfotransferase polypeptide having a histidine at residue 213 of a SULT1A1 polypeptide.

34. The method of claim 15, wherein said sulfotransferase nucleotide sequence variant comprises the SULT1A1*2 allele.

35. The method of claim 34, wherein said method further comprises detecting mutations within one or both of the BRCA1 and BRCA2 genes.

36. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant is detected by allele-specific hybridization, allele-specific restriction digest, mutation-specific polymerase chain reaction, or single-stranded conformational polymorphism detection--

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Applicant : Richard M. Weinshilboum et al.
Serial No. :
Filed :
Page : 3

Attorney's Docket No.: 07039-118002

REMARKS

Applicants have canceled claims 1-13 and 18-31, and added new dependant claims 32-36. Support for these claims can be found, for example, at page 7, lines 5-6 and at page 11, lines 15-24 of the present specification. No new matter has been introduced. Applicants ask that claims 14-17 and 32-36 be examined. No fees are believed to be due. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 4/10/01

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